Claims

1.   A method for providing voice access to information stored in a dynamic database located within an external data source, comprising the steps of:

providing a communication link between an external data

5   source and a voice capable device, the voice capable device including a speech recognition application and a grammar generation application;

retrieving text data from a dynamic database located within the external data source;

organizing the text data into new grammars; and   :

10   converting the new grammars into phonetic transcriptions, wherein the new and existing grammars are then available to the speech recognition application to facilitate speech recognition.

2.   The method of claim 1, wherein the external data source is one of a handheld computer, a compressed music player, a digital cellular telephone, a radio data system (RDS) receiver and a digital audio broadcast (DAB) receiver.

3.   The method of claim 1, further including the steps of:

receiving a voice command that is directed to the external data source;

utilizing the new and existing grammars that are necessary to

5   interpret the received voice command; and

controlling the external data source to perform a function associated with the received voice command.

4.   The method of claim 1, further including the steps of:

receiving a voice command that is directed to the external data source;

utilizing the new and existing grammars that are necessary to

5   interpret the received voice command; and

retrieving information from the external data source that is associated with the received voice command.

5.   The method of claim 1, wherein the external data source includes a voice interface.

6.   The method of claim 1, further including the step of:

modifying at least one of the existing grammars with the phonetic transcriptions.

7.   The method of claim 1, wherein the new grammar corresponds to at least one of a new word in the database and a change in the structure of the database.

8.   A speech recognition system for providing voice access to information stored in a dynamic database located within an external data source, the system comprising:

a processor;

5   a memory subsystem coupled to the processor; and

processor executable code for implementing a speech recognition application and a grammar generation application and for causing the processor to perform the steps of:

providing a communication link between an external
10   data source and the speech recognition system;

retrieving text data from a dynamic database located within the external data source;

organizing the text data into new grammars; and

converting the new grammars into phonetic
15   transcriptions, wherein the new and existing grammars are then available to the speech recognition application to facilitate speech recognition.

9.   The system of claim 8, wherein the external data source is one of a handheld computer, a compressed music player, a digital cellular telephone, a radio data system (RDS) receiver and a digital audio broadcast (DAB) receiver.

10.   The system of claim 8, wherein the processor-executable code causes the processor to perform the additional steps of:

receiving a voice command that is directed to the external data source;

5   utilizing the new and existing grammars that are necessary to interpret the received voice command; and

controlling the external data source to perform a function associated with the received voice command.

11.   The system of claim 8, wherein the processor executable code causes the processor to perform the additional steps of:

receiving a voice command that is directed to the external data source;

5   utilizing the new and existing grammars that are necessary to interpret the received voice command; and

retrieving information from the external data source that is associated with the received voice command.

12.   The system of claim 8, wherein the external data source includes a voice interface.

13.   The system of claim 8, further including the step of:

modifying at least one of the existing grammars with the phonetic transcriptions.

14. The system of claim 8, wherein the new grammar corresponds to at least one of a new word in the database and a change in the structure of the database.

15. A speech recognition system located within a motor vehicle and providing voice access to information stored in a dynamic database located within an external data source, the system comprising:

a processor;

5   an output device coupled to the processor, the output device providing information to an occupant of the motor vehicle;

a memory subsystem for storing information coupled to the processor; and

processor executable code for implementing a speech

10   recognition application and a grammar generation application and for causing the processor to perform the steps of:

providing a communication link between an external data source and the speech recognition system;

retrieving text data from a dynamic database located

15   within the external data source;

organizing the text data into new grammars; and

converting the new grammars into phonetic transcriptions, wherein the new and existing grammars are then available to the speech recognition application to facilitate speech recognition.

16. The system of claim 15, wherein the external data source is one of a handheld computer, a compressed music player, a digital cellular telephone, a radio data system (RDS) receiver and a digital audio broadcast (DAB) receiver.

17. The system of claim 15, wherein the processor executable code causes the processor to perform the additional steps of:

receiving a voice command that is directed to at least one of the external data source and a motor vehicle accessory;

5   utilizing the new and existing grammars that are necessary to interpret the received voice command; and

controlling at least one of the external data source and the motor vehicle accessory to perform a function associated with the received voice command.

18.   The system of claim 15, wherein the processor executable code causes the processor to perform the additional steps of:

receiving a voice command that is directed to the external data source;

5   utilizing the new and existing grammars that are necessary to interpret the received voice command; and

retrieving information from the external data source that is associated with the received voice command.

19.   The system of claim 15, wherein the external data source includes a voice interface.

20.   The system of claim 15, further including the step of:

modifying at least one of the existing grammars with the phonetic transcriptions.

21.   The system of claim 15, wherein the new grammar corresponds to at least one of a new word in the database and a change in the structure of the database.